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10/812,930	03/31/2004	Satoshi Yoshida	250953US2	4916
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OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314				
EXAMINER				
FINDLEY, CHRISTOPHER G				
ART UNIT		PAPER NUMBER		
2621				
NOTIFICATION DATE		DELIVERY MODE		
04/03/2008		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/812,930

Applicant(s)

YOSHIDA, SATOSHI

Examiner

CHRISTOPHER FINDLEY

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 December 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☐ Information Disclosure Statement(s) (PTO/SE/US)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. The Examiner notes that claims 7-10 have been added via the amendment filed 12/31/2007.

Response to Arguments

2. Applicant's arguments, see Applicant's "REMARKS/ARGUMENTS" section, filed 12/31/2007, with respect to the rejection(s) of claim(s) 1-6 under 35 U.S.C. 102(b), as being unpatentable over Totani et al. (US 20020152001 A1), have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Marlowe (US 20030215102 A1) and Moon (US 6563418 B1).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 1 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marlowe (US 20030215102 A1).**

Re claim 1, Marlowe discloses a vehicle on-board adapter comprising: a display output terminal configured to be connected to a genuine vehicle on-board display unit

and to transmit a signal to the genuine vehicle on-board display unit (Marlowe: paragraph [0010], the car stereo displays data from the device integration system, wherein the display may be a graphical display in the form of an LCD display screen; paragraph [0100], the system may display video); a first image input terminal configured to be connected to non-genuine image output equipment and to receive a signal from the non-genuine image output equipment (Marlowe: paragraph [0012], integrating after-market equipment with an existing stereo system); a second image input terminal configured to be connected to vehicle on-board image output equipment and to receive a signal from the vehicle on-board image output equipment (Marlowe: paragraph [0012], integrating after-market equipment with an existing stereo system); and a circuit portion configured to deliver at least one of the signal received by the first image input terminal and the signal received by the second image input terminal to the display output terminal (Marlowe: Fig. 3b and paragraph [0024]). Although Marlowe does not explicitly state that the after market equipment is from the same manufacturer as the existing stereo system, one of ordinary skill in the art at the time of the invention would have found it obvious that an after-market system component from the same manufacturer as the existing stereo system would be able to be purchased and connected to the system via an auxiliary input in order to provide comprehensive integration of factory-installed and after-market stereo equipment (Marlowe: paragraph [0002]).

Claim 6 recites the corresponding system for utilizing the adapter of claim 1, and, therefore, has been analyzed and rejected with respect to claim 1 above.

5. Claims 2-5 and 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marlowe (US 20030215102 A1) in view of Moon (US 6563418 B1).

Re claim 2, Marlowe discloses a majority of the features of claim 2, as discussed above in claim 1, but Marlowe does not specifically disclose a terminal configured to transmit and receive a LAN signal which indicates a control result of the circuit portion. However, Moon discloses an automotive network and adapter, wherein the adapter includes a physical terminal (Moon: Fig. 3; column 2, lines 23-25) configured to transmit and receive a LAN signal which indicates a control result of the circuit portion (Moon: column 1, lines 29-46, destination addresses for routing the commands and data to the appropriate device). Since both Marlowe and Moon relate to adapting pre-existing automobile device networks for compatibility with after-market additions, one of ordinary skill in the art at the time of the invention would have found it obvious to combine the LAN network of Moon with the stereo system of Marlowe in order to reduce the amount of wiring in the vehicle, thereby reducing the effort and expense of creating such a network (Moon: column 1, lines 58-61) as well as reducing vehicle weight and improving fuel economy (Moon: column 1, lines 16-23). The combined system of Marlowe and Moon has all of the features of claim 2.

Re claim 3, the combined system of Marlowe and Moon discloses a terminal (Moon: Fig. 3; column 2, lines 23-25) configured to receive a LAN signal for grasping a condition of the genuine vehicle on-board image output equipment (Moon: column 3, lines 31-36, devices communicate with each other). Since both Marlowe and Moon

relate to adapting pre-existing automobile device networks for compatibility with after-market additions, one of ordinary skill in the art at the time of the invention would have found it obvious to combine the LAN network of Moon with the stereo system of Marlowe in order to reduce the amount of wiring in the vehicle, thereby reducing the effort and expense of creating such a network (Moon: column 1, lines 58-61) as well as reducing vehicle weight and improving fuel economy (Moon: column 1, lines 16-23).

Re claim 4, the combined system of Marlowe and Moon discloses a terminal (Moon: Fig. 3; column 2, lines 23-25) configured to transmit and receive a quasi LAN signal which indicates that the signal received by the first image input terminal is delivered to the display output terminal or the signal received by the second image input terminal is delivered to the display output terminal (Moon: column 3, lines 31-36, address conversion, corresponding to a quasi LAN signal, is used for communication between devices). Since both Marlowe and Moon relate to adapting pre-existing automobile device networks for compatibility with after-market additions, one of ordinary skill in the art at the time of the invention would have found it obvious to combine the LAN network of Moon with the stereo system of Marlowe in order to reduce the amount of wiring in the vehicle, thereby reducing the effort and expense of creating such a network (Moon: column 1, lines 58-61) as well as reducing vehicle weight and improving fuel economy (Moon: column 1, lines 16-23).

Re claim 5, the combined system of Marlowe and Moon discloses a terminal (Moon: Fig. 3; column 2, lines 23-25) configured to receive a LAN signal for grasping a condition of the genuine vehicle on-board image output equipment (Moon: column 3,

lines 31-36, address conversion, corresponding to a quasi LAN signal, is used for communication between devices), wherein the LAN signal for grasping a condition of the genuine vehicle on-board image output equipment includes said quasi LAN signal (Moon: column 5, lines 25-42, packets contain destination address information). Since both Marlowe and Moon relate to adapting pre-existing automobile device networks for compatibility with after-market additions, one of ordinary skill in the art at the time of the invention would have found it obvious to combine the LAN network of Moon with the stereo system of Marlowe in order to reduce the amount of wiring in the vehicle, thereby reducing the effort and expense of creating such a network (Moon: column 1, lines 58-61) as well as reducing vehicle weight and improving fuel economy (Moon: column 1, lines 16-23).

Claim 7 has been analyzed and rejected with respect to claim 2 above.

Claim 8 has been analyzed and rejected with respect to claim 3 above.

Claim 9 has been analyzed and rejected with respect to claim 4 above.

Claim 10 has been analyzed and rejected with respect to claim 5 above.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Wireless local area network vehicular adapter; Seick et al. (US 6975884 B2)

- b. Data communication system with adapter for removable coupling of portable data terminals; Davis (US 5625555 A)

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTOPHER FINDLEY whose telephone number is (571)270-1199. The examiner can normally be reached on Monday-Friday 8:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on (571) 272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Marsha D. Banks-Harold/

Supervisory Patent Examiner, Art Unit 2621

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